## Threatened and Endangered Species in Forests of Wisconsin

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## APPENDIX I

## Wisconsin Counties and the Federally and State-listed Species Known to Occur in Them

This guide does not include all federally or state-listed species that occur in Wisconsin, only those that are likely to be affected by logging or other forest practices. For a complete list of protected species, contact the Wisconsin Bureau of Endangered Resources (see Appendix II). The following icons are used to identify species groups:

- ✓ Mammals, ✓ Birds,
  A Reptiles and Amphibians, 
  ✓ Fish,
  ✓ Mussels and Snails,
  ✓ Insects,
  ♣ Plants.
- ADAMS → Bald Eagle, Cerulean Warbler, Great Egret, Hooded Warbler, Osprey, Redshouldered Hawk → Western Slender Glass Lizard, Wood Turtle → Frosted Elfin Butterfly, Karner Blue Butterfly ♣ Bog Bluegrass

ASHLAND ★ American Pine Marten,
Timber Wolf → Bald Eagle, Cerulean Warbler,
Osprey, Spruce Grouse → Wood Turtle
→ Purple Wartyback → Braun's Holly Fern,
Broad-leaved Twayblade, Calypso Orchid,
Drooping Sedge, Goblin Fern, Hawthornleaved Gooseberry, Large-leaved Sandwort,

Moonwort, Mountain Cranberry, Ram's-head Lady's-slipper, Smith Melic Grass

BARRON → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle ← Greater Redhorse, Ozark Minnow, Pugnose Shiner ♣ Hawthorn-leaved Gooseberry, Squashberry

BAYFIELD ★ American Pine Marten, Timber Wolf Ժ Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse

- → Wood Turtle < Pugnose Shiner
- Auricled Twayblade, Braun's Holly Fern, Broad-leaved Twayblade, Calypso Orchid, Mountain Cranberry, Small Shinleaf

BUFFALO → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk, Yellowcrowned Night-heron → Eastern Massasauga Rattlesnake, Wood Turtle ← Crystal Darter, Red Riverhorse ← Buckhorn, Bullhead, Butterfly, Elephant Ear, Monkeyface, Rock Pocketbook, Salamander Mussel, Wing Snaggletooth

CHIPPEWA → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk → Wood Turtle Greater Redhorse → Bullhead, Ellipse, Purple Wartyback, Spectacle case → Karner Blue Butterfly

COLUMBIA → Bell's Vireo, Cerulean
Warbler, Great Egret, Red-shouldered Hawk,
Yellow- crowned Night Heron → Eastern
Massasauga Rattlesnake, Ornate Box Turtle,
Western Slender Glass Lizard, Wood Turtle

Greater Redhorse, Longear Sunfish, Pugnose
Shiner → Buckhorn, Bullhead, Butterfly,
Higgins' Eye Pearly Mussel, Monkeyface,
Salamander Mussel → Drooping Sedge,

Hop-like Sedge, Lapland Rosebay, Yellow Giant Hyssop

CRAWFORD → Bald Eagle, Bell's vireo,
Cerulean Warbler, Great Egret, Kentucky
Warbler, Red-shouldered Hawk, Yellowcrowned Night-heron → Eastern Massasauga
Rattlesnake, Wood Turtle ← Longear Sunfish,
Ozark Minnow ← Buckhorn, Bullhead,
Butterfly, Ebony Shell, Elephant Ear, Higgins
Eye Pearly Mussel, Monkeyface, Purple
Wartyback, Rock Pocketbook, Salamander
Mussel, Spectacle Case, Wartyback, Wing
Snaggletooth Snail, Yellow Sandshell
♣ Great White Lettuce, Purple Milkweed,
Yellow Giant Hyssop

DANE → Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler ← Eastern Massasauga Rattlesnake, Ornate Box Turtle, Western Slender Glass Lizard ← Greater Redhorse, Pugnose Shiner, Starhead Topminnow ← Buckhorn, Bullhead, Butterfly, Ellipse, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ← Drooping Sedge, Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

DOOR → Bald Eagle, Cerulean Warbler, Hooded Warbler, Osprey, Red-shouldered Hawk © Cherrystone Drop Snail, Midwest Pleistocene Vertigo Snail Calypso Orchid, Drooping Sedge, Dwarf Lake Iris, Foamflower, Handsome Sedge, Hawthorn-leaved Gooseberry, Moonwort, Northern Comandra, Pine-drops, Ram's-head Lady's-slipper, Small Round-leaved Orchis

DOUGLAS ❤ Timber Wolf → Bald Eagle, Cerulean Warbler, Osprey, Spruce Grouse → Wood Turtle ← Gilt Darter, Greater Redhorse ← Purple Wartyback ← Calypso Orchid, Hawthorn-leaved Gooseberry, Small Shinleaf

DUNN → Bald Eagle, Cerulean Warbler, Great Egret, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, Greater Redhorse, River Redhorse ← Buckhorn, Bullhead, Monkeyface, Salamander Mussel ← Karner Blue Butterfly ♣ Beak Grass

EAU CLAIRE → Bald Eagle, Cerulean
Warbler, Red-shouldered Hawk → Wood Turtle
Greater Redhorse, River Redhorse

Buckhorn, Bullhead, Salamander Mussel
Karner Blue Butterfly, Phlox Flower Moth
Beak Grass, Muskroot

FLORENCE 

✓ American Pine Marten, Timber Wolf 

✓ Bald Eagle, Osprey, Red-shouldered

Hawk, Spruce Grouse — Wood Turtle

Braun's Holly Fern, Calypso Orchid,
Foamflower, Goblin Fern, Marsh Valerian,
Small Round-leaved Orchis, Western Jacob's
Ladder

FOND DU LAC → Cerulean Warbler, Great Egret, Hooded Warbler ← Greater Redhorse, Longear Sunfish, Pugnose Shiner ← Ellipse, Midwest Pleistocene Vertigo Snail ♣ Bog Bluegrass, Forked Aster

FOREST 

American Pine Marten, Timber Wolf 

Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse

Wood Turtle 

Braun's Holly Fern, Calypso Orchid, Goblin Fern, Mountain Cranberry, Small Round-leaved Orchis

**GRANT** Acadian Flycatcher, Bald Eagle,

Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Redshouldered Hawk, Yellow-throated Warbler Ornate Box Turtle, Wood Turtle Crystal Darter, Ozark Minnow, River Redhorse, Starhead Topminnow Buckhorn, Bullhead, Butterfly, Cherrystone Drop Snail, Ebony Shell, Higgins' Eye Pearly Mussel, Midwest Pleistocene Vertigo Snail, Monkeyface, Occult Vertigo, Rock Pocketbook, Salamander Mussel, Wartyback, Wing Snaggletooth Snail, Yellow Sandshell

Intermediate Sedge, Muskroot, Northern Monkshood, Purple Milkweed, Yellow Giant Hyssop

GREEN → Cerulean Warbler, Great Egret
 Eastern Massasauga Rattlesnake, Ornate Box
Turtle Gravel Chub, Ozark Minnow, River
Redhorse Buckhorn Great White Lettuce,
Kitten Tails, Yellow Giant Hyssop

GREEN LAKE → Acadian Flycatcher, Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Red-shouldered Hawk

- → Western Slender Glass Lizard <sup>©</sup> Buckhorn
- Karner Blue Butterfly

IOWA → Acadian Flycatcher, Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-shouldered Hawk

■ Eastern Massasauga Rattlesnake, Ornate Box Turtle, Wood Turtle Greater Redhorse, Ozark Minnow, Starhead Topminnow

 ➡ Buckhorn, Bullhead, Butterfly, Ebony Shell, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ♣ Beak Grass, Fire Pink, Purple Milkweed

IRON ★ American Pine Marten, Timber
Wolf Bald Eagle, Osprey, Spruce Grouse
 Wood Turtle Greater Redhorse, Pugnose
Shiner Cherrystone Drop Snail Braun's
Holly Fern, Brood-leaved Twayblade, Calypso

Orchid, Goblin Fern, Large-leaved Sandwort, Small Shinleaf

JACKSON № Timber Wolf → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Redshouldered Hawk → Eastern Massasauga Rattlesnake, Western Slender Glass Lizard, Wood Turtle ⑤ Gilt Darter, River Redhorse ⑤ Buckhorn, Purple Wartyback ❤ Frosted Elfin Butterfly, Karner Blue Butterfly, Phlox Flower Moth № Bog Bluegrass

JEFFERSON → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler ← Greater Redhorse, Pugnose Shiner, River Redhorse ♣ Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

**KENOSHA** → Cerulean Warbler, Great Egret → Eastern Massasauga Rattlesnake ← Longear Sunfish, Pugnose Shiner, River Redhorse, Starhead Topminnow → Karner Blue Butterfly ↑ Hop-like Sedge, Purple Milkweed

**KEWAUNEE** → Cerulean Warbler Sungear Sunfish, Pugnose Shiner Scherrystone Drop Snail Forked Aster

LAFAYETTE → Bell's Vireo, Cerulean Warbler, Great Egret ← Gravel Chub, Ozark Minnow ♣ Beak Grass, Purple Milkweed, Yellow Giant Hyssop

LANGLADE № American Pine Marten

→ Bald Eagle, Osprey, Red-shouldered Hawk,
Spruce Grouse → Wood Turtle ᢀ Slippershell

Braun's Holly Fern, Calypso Orchid, Goblin
Fern, Marsh Valerian

MANITOWOC → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Osprey, Redshouldered Hawk ← Greater Redhorse Cherrystone Drop Snail, Ellipse, Midwest Pleistocene Vertigo Snail, Slippershell Bog Bluegrass, Drooping Sedge, Snow Trillium

MARATHON → Bald Eagle, Osprey, Redshouldered Hawk → Wood Turtle

MARINETTE № American Pine Marten

→ Bald Eagle, Cerulean Warbler, Great Egret,
Osprey, Red-shouldered Hawk, Spruce Grouse

→ Wood Turtle ❤ Greater Redhorse ♣ Goblin
Fern, Marsh Valerian, Purple Milkweed

MARQUETTE → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Red-shouldered Hawk → Western Slender Glass Lizard Greater Redhorse, Pugnose Shiner Karner Blue Butterfly ♣ Bog Bluegrass

MENOMINEE № American Pine Marten

→ Bald Eagle, Osprey, Red-shouldered Hawk,
Spruce Grouse → Wood Turtle ⑤ Slippershell

➤ Karner Blue Butterfly, Phlox Flower Moth

MILWAUKEE → Cerulean Warbler, Hooded Warbler, Red-shouldered Hawk ← Greater Redhorse, Longear Sunfish → Blue-stemmed Goldenrod, Forked Aster, Handsome Sedge, Hop-like Sedge, Purple Milkweed, Ram's-head Lady's-slipper, Snow Trillium

MONROE → Acadian Flycatcher, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk → Eastern

Massasauga Rattlesnake, Western Slender Glass Lizard, Wood Turtle & Gilt Darter, River Redhorse Frosted Elfin Butterfly, Karner Blue Butterfly, Phlox Flower Moth & Beak Grass, Bog Bluegrass, Muskroot, Northern Monkshood

OCONTO 

American Pine Marten

Bald Eagle, Cerulean Warbler, Great Egret,
Osprey, Red-shouldered Hawk, Spruce Grouse

Wood Turtle 
Greater Redhorse, Longear
Sunfish 
Slippershell 
Karner Blue Butterfly

Bog Bluegrass, Braun's Holly Fern, Calypso
Orchid, Foam Flower, Goblin Fern, Ram's-head
Lady's-slipper, Small Round-leaved Orchis

ONEIDA ★ American Pine Marten, Timber Wolf 孝 Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse Wood Turtle ⑤ Greater Redhorse Calypso Orchid

OUTAGAMIE → Bald Eagle, Cerulean Warbler, Osprey → Wood Turtle ◇ Buckhorn, Salamander Mussel, Snuffbox ➤ Karner Blue Butterfly ♣ Handsome Sedge, Marsh Valerian, Ram's-head Lady's-slipper, Snow Trillium

OZAUKEE 

Cerulean Warbler, Kentucky Warbler, Red-shouldered Hawk 

Greater Redhorse, Longear Sunfish 

Cherrystone Drop Snail 

Forked Aster, Handsome Sedge, Pine-drops, Ram's-head Lady's-slipper, Snow Trillium

PEPIN → Bald Eagle, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red- shouldered Hawk → Eastern Massasauga Rattlesnake, Wood Turtle ← Crystal Darter, Greater Redhorse, River Redhorse → Buckhorn, Bullhead, Butterfly, Elephant Ear, Monkeyface, Salamander Mussel ♣ Beak Grass

PIERCE → Bald Eagle, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, River Redhorse ← Buckhorn, Bullhead, Butterfly, Ebony Shell, Elephant Ear, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Snuffbox, Wing Snaggletooth Snail, Winged Mapleleaf ← Kitten Tails, Muskroot, Snow Trillium

POLK → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk 
Crystal Darter, Gilt Darter, Greater Redhorse, River Redhorse 
Buckhorn, Butterfly, Ebony Shell, Elephant Ear, Higgins' Eye Pearly Mussel, Monkeyface, Purple Wartyback, Salamander Mussel, Snuffbox, Spectacle Case, Winged Mapleleaf 
Karner Blue Butterfly 
Bog Bluegrass, Kitten Tails

PRICE ™ Timber Wolf → Bald Eagle, Cerulean Warbler, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle ⑤ Greater Redhorse ◎ Purple Wartyback, Salamander Mussel & Calypso Orchid

RACINE → Cerulean Warbler, Great Egret,
Red-shouldered Hawk, Yellow-throated Warbler

Eastern Massasauga Rattlesnake S Longear
Sunfish, Pugnose Shiner, River Redhorse

Blue-stemmed Goldenrod, Forked Aster,
Hop-like Sedge, Kitten Tails, Purple Milkweed,
Yellow Giant Hyssop

RICHLAND → Bald Eagle, Cerulean Warbler, Kentucky Warbler, Red- shouldered Hawk → Ornate Box Turtle ← Crystal Darter ← Buckhorn, Bullhead, Butterfly, Ebony Shell, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell ♠ Bog Bluegrass, Muskroot, Northern Monkshood

ROCK → Acadian Flycatcher, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-Shouldered Hawk, Yellow-crowned Night Heron, Yellow-throated Warbler ← Eastern Massasauga Rattlesnake, Ornate Box Turtle Gravel Chub, Greater Redhorse, Ozark Minnow, Starhead Topminnow © Ellipse, Monkeyface, Purple Wartyback Beak Grass, Forked Aster, Kitten Tails, Muskroot, Purple

## Milkweed, Yellow Giant Hyssop

RUSK ™ Timber Wolf → Bald Eagle, Osprey, Spruce Grouse → Wood Turtle S Gilt Darter, Greater Redhorse, Longear Sunfish ◎ Bullhead, Purple Wartyback ♣ Hawthorn-leaf Gooseberry, Squashberry

SAUK Acadian Flycatcher, Bell's Vireo, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk, Worm-eating Warbler, Yellow-throated Warbler Eastern Massasauga Rattlesnake, Ornate Box Turtle, Western Slender Glass Lizard Starhead Topminnow Buckhorn, Bullhead, Butterfly, Cherrystone Drop Snail, Higgins' Eye Pearly Mussel, Midwest Pleistocene Vertigo Snail, Monkeyface, Rock Pocketbook, Salamander Mussel, Yellow Sandshell Karner Blue Butterfly Bog Bluegrass, Drooping Sedge, Great White Lettuce, Muskroot, Northern Monkshood, Purple Milkweed

SAWYER ★ American Pine Marten, Timber Wolf → Bald Eagle, Osprey, Red-shouldered Hawk, Spruce Grouse → Wood Turtle ← Greater Redhorse, Longear Sunfish ← Purple Wartyback ← Calypso Orchid, Goblin Fern, Ram's-head Lady's-slipper, Small Round-leaved Orchis

SHAWANO → Bald Eagle, Cerulean Warbler, Hooded Warbler, Osprey, Red-shouldered Hawk → Wood Turtle S Longear Sunfish, Pugnose Shiner, River Redhorse Buckhorn, Salamander Mussel, Slippershell, Snuffbox

SHEBOYGAN → Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk Greater Redhorse, Pugnose Shiner Cherrystone Drop Snail, Ellipse, Slippershell Forked Aster, Handsome Sedge, Marsh Valerian, Ram's-head Lady's-slipper, Snow Trillium

ST. CROIX → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk → Wood Turtle ← Crystal Darter, Gilt Darter, Greater Redhorse, River Redhorse ← Buckhorn, Butterfly, Ebony Shell, Elephant Ear, Higgins' Eye Pearly Mussel, Monkeyface, Purple Wartyback, Salamander Mussel, Snuffbox, Spectacle Case, Winged Mapleleaf ← Kitten Tails, Snow Trillium

**TAYLOR №** Timber Wolf **→** Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Redshouldered Hawk, Spruce Grouse

🚗 Wood Turtle 🏶 Goblin Fern, Hop-like Sedge

TREMPEALEAU → Bald Eagle, Bell's Vireo, Cerulean Warbler, Great Egret, Kentucky Warbler, Osprey, Red-shouldered Hawk

- Eastern Massasauga Rattlesnake, Wood

Turtle Crystal Darter Bullhead, Higgins' Eye Pearly Mussel, Monkeyface, Wing Snaggletooth Snail Bog Bluegrass

VERNON → Acadian Flycatcher, Bald Eagle, Cerulean Warbler, Great Egret, Kentucky Warbler, Red-shouldered Hawk, Worm-eating Warbler → Wood Turtle ← Greater Redhorse → Cherrystone Drop Snail, Higgins' Eye Pearly Mussel, Monkeyface, Rock Pocketbook, Wartyback, Wing Snaggletooth Snail, Yellow Sandshell → Drooping Sedge, Lapland Rosebay, Muskroot, Northern Monkshood

VILAS 

American Pine Marten, Timber

Wolf 

Bald Eagle, Cerulean Warbler, Osprey,

Red-shouldered Hawk, Spruce Grouse

Wood Turtle 

Greater Redhorse, Longear

Sunfish, Pugnose Shiner 

Calypso Orchid,

Ram's-head Lady's-slipper

WALWORTH → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler → Eastern Massasauga Rattlesnake Longear Sunfish, Ozark Minnow, Pugnose Shiner, Starhead Topminnow Ellipse Forked Aster, Kitten Tails, Purple Milkweed, Yellow Giant Hyssop

് Gilt Darter, Greater Redhorse, Ozark Minnow, Pugnose Shiner <sup>™</sup> Purple Wartyback, Yellow Sandshell <sup>™</sup> Bog Bluegrass

WASHINGTON → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk S Greater Redhorse, Longear Sunfish, Pugnose Shiner © Ellipse Forked Aster, Kitten Tails, Purple Milkweed

WAUKESHA → Acadian Flycatcher, Cerulean Warbler, Great Egret, Hooded Warbler, Kentucky Warbler, Red-shouldered Hawk Greater Redhorse, Longear Sunfish, Ozark Minnow, Pugnose Shiner, Starhead Topminnow Ellipse, Rainbow Shell, Slippershell Forked Aster, Handsome Sedge, Hop-like Sedge, Kitten Tails, Marsh Valerian, Purple Milkweed, Snow Trillium

WAUPACA → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk, Yellow-crowned Night-heron → Wood Turtle Greater Redhorse, Pugnose Shiner, River Redhorse Buckhorn, Salamander Mussel, Snuffbox Karner Blue Butterfly Marsh Valerian, Ram's-head Lady's-slipper

WAUSHARA → Bald Eagle, Cerulean Warbler
→ Western Slender Glass Lizard ← Greater
Redhorse, Longear Sunfish, Pugnose Shiner

✓ Karner Blue Butterfly ♣ Purple Milkweed

WINNEBAGO → Bald Eagle, Cerulean Warbler, Great Egret, Osprey → Wood Turtle Greater Redhorse, Pugnose Shiner Buckhorn Bluegrass, Forked Aster, Purple Milkweed

WOOD ™ Timber Wolf → Bald Eagle, Cerulean Warbler, Great Egret, Osprey, Red-shouldered Hawk → Eastern Massasauga Rattlesnake, Western Slender Glass Lizard, Wood Turtle Frosted Elfin Butterfly, Karner Blue Butterfly Goblin Fern